

Title (en)
HIGH STRENGTH MICROCAPSULES

Title (de)
HOCHFESTE MIKROKAPSELN

Title (fr)
MICROCAPSULES À HAUTE RÉSISTANCE

Publication
EP 3206781 A4 20180425 (EN)

Application
EP 15849900 A 20151016

Priority

- US 201462064906 P 20141016
- US 201562117604 P 20150218
- US 201562199340 P 20150731
- US 201514884671 A 20151015
- US 2015055905 W 20151016

Abstract (en)
[origin: WO2016061440A1] High strength, high integrity microcapsules containing a hydrophobic core material wherein said microcapsule walls are formed of copolymers of select monomers through a multistep oil-in-water emulsification polymerization process.

IPC 8 full level
B01J 13/16 (2006.01)

CPC (source: EP US)
A61K 8/11 (2013.01 - EP US); **A61K 8/8129** (2013.01 - EP US); **A61K 9/5026** (2013.01 - EP US); **A61K 9/5089** (2013.01 - EP US); **A61L 15/46** (2013.01 - US); **A61L 15/60** (2013.01 - US); **A61Q 5/02** (2013.01 - EP US); **A61Q 15/00** (2013.01 - EP US); **A61Q 19/00** (2013.01 - EP US); **A61Q 19/10** (2013.01 - EP US); **C11B 9/00** (2013.01 - US); **C11D 3/001** (2013.01 - US); **C11D 3/0015** (2013.01 - US); **C11D 3/505** (2013.01 - EP US); **C11D 17/0013** (2013.01 - US); **C11D 17/0039** (2013.01 - EP US); **C11D 17/06** (2013.01 - US); **A61K 2800/10** (2013.01 - EP US); **A61K 2800/412** (2013.01 - EP US); **A61K 2800/56** (2013.01 - US); **C11D 2111/12** (2024.01 - US); **C11D 2111/14** (2024.01 - US)

Citation (search report)

- [X] US 5114824 A 19920519 - TAN HOCK S [CA], et al
- [X] US 2013313734 A1 20131128 - YAO PETER C [US], et al
- See references of WO 2016061440A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2016061440 A1 20160421; EP 3206781 A1 20170823; EP 3206781 A4 20180425; EP 3206781 B1 20200715; JP 2017534453 A 20171124; JP 6471386 B2 20190220; US 10485739 B2 20191126; US 2016106635 A1 20160421; US 2017216161 A1 20170803

DOCDB simple family (application)
US 2015055905 W 20151016; EP 15849900 A 20151016; JP 2017539518 A 20151016; US 201514884671 A 20151015; US 201715487491 A 20170414